FIG.1

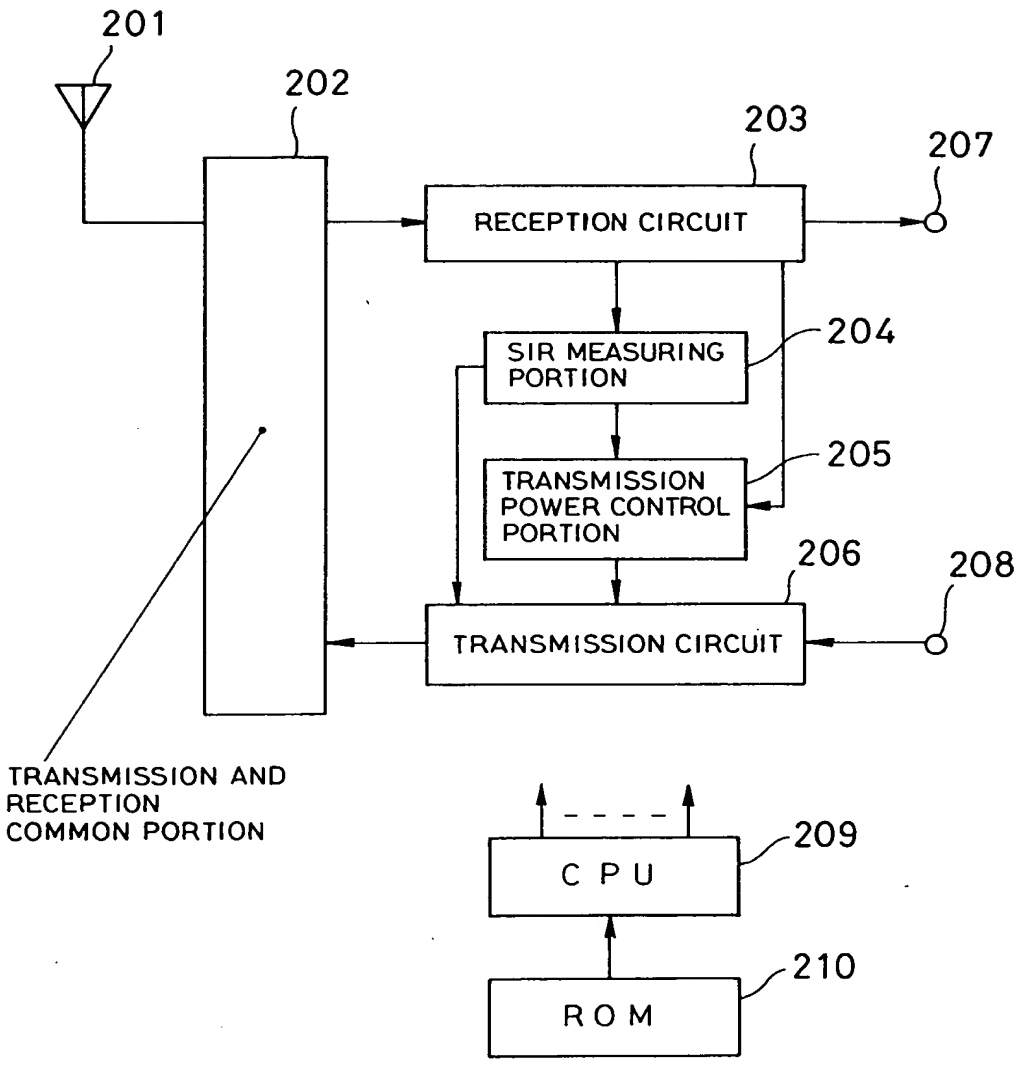

201
202
203
207
RECEPTION CIRCUIT
SIR MEASURING PORTION
204
TRANSMISSION POWER CONTROL PORTION
205
206
208
TRANSMISSION CIRCUIT
TRANSMISSION AND RECEPTION COMMON PORTION
C P U
209
R O M
210

FIG. 2A

CONVENTIONAL Pbal CALCULATION TIMING (Nperiod=2)

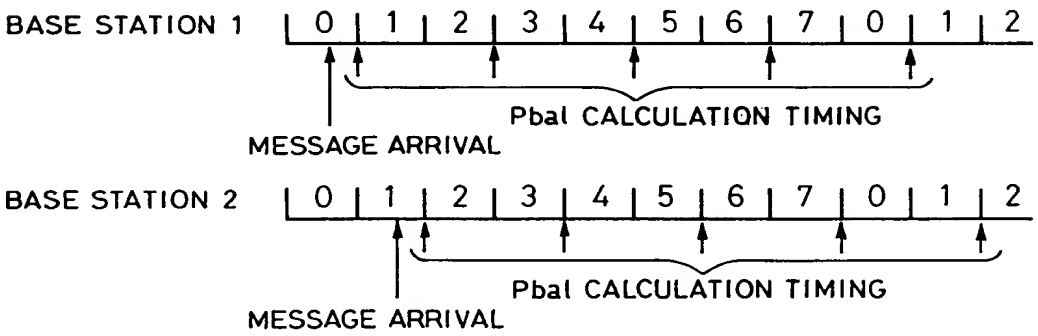


FIG. 2B

Pbal CALCULATION TIMING OF PRESENT INVENTION (Nperiod=2)

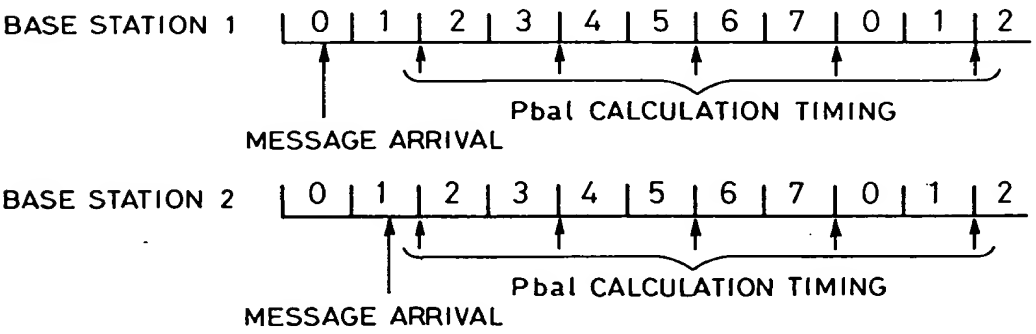


FIG.3

IN CASE WHERE CFNmax IS INTEGER MULTIPLEX OF Nperiod

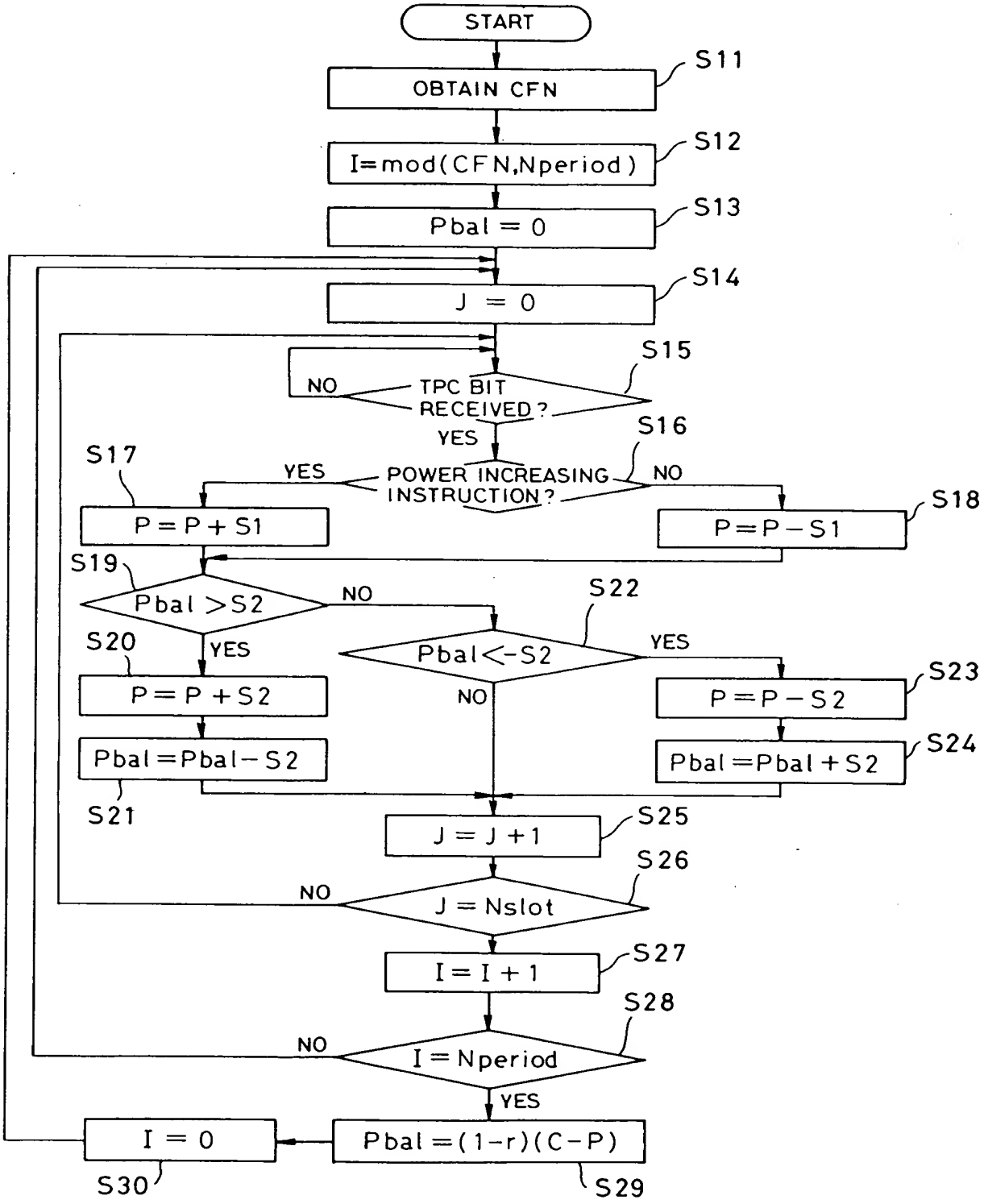
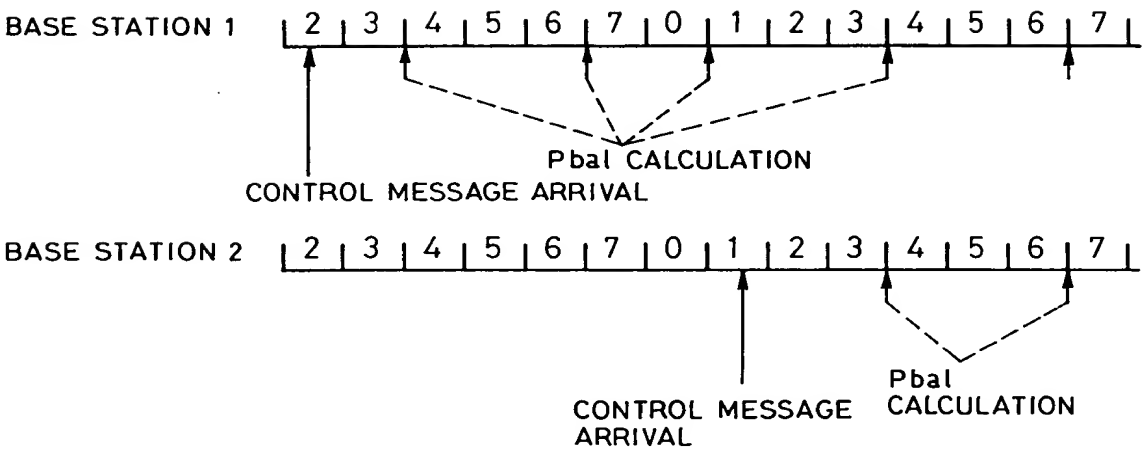


FIG. 4


BASE STATION 1
2 3 4 5 6 7 0 1 2 3 4 5 6 7
Pbal CALCULATION
CONTROL MESSAGE ARRIVAL
BASE STATION 2
2 3 4 5 6 7 0 1 2 3 4 5 6 7
CONTROL MESSAGE ARRIVAL
Pbal CALCULATION

IN CASE WHERE CFNmax IS NOT NECESSARILY INTEGER MULTIPLEX OF Nperiod

FIG.5

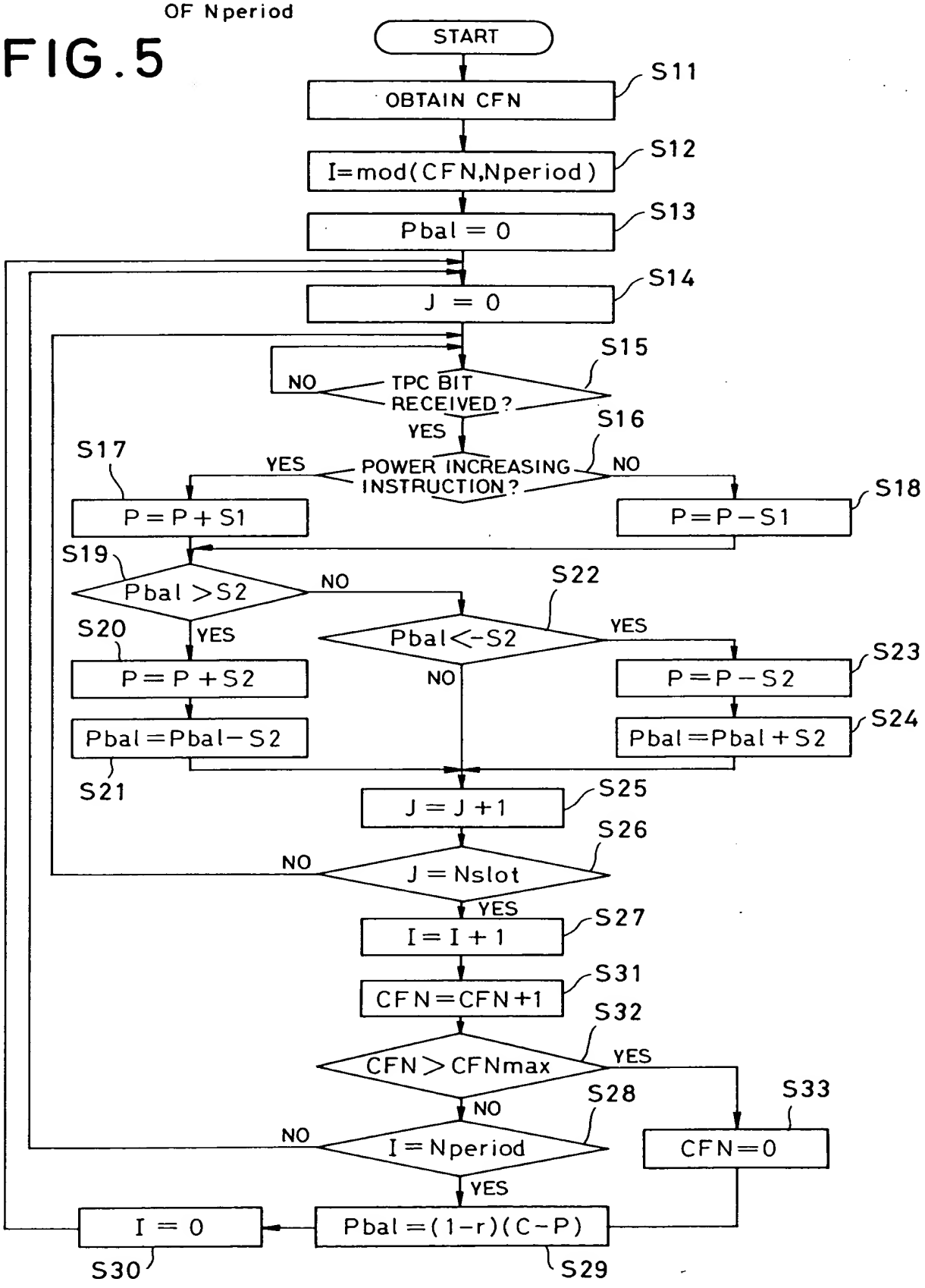


FIG.6

EXAMPLE OF SYSTEM CONSTRUCTION

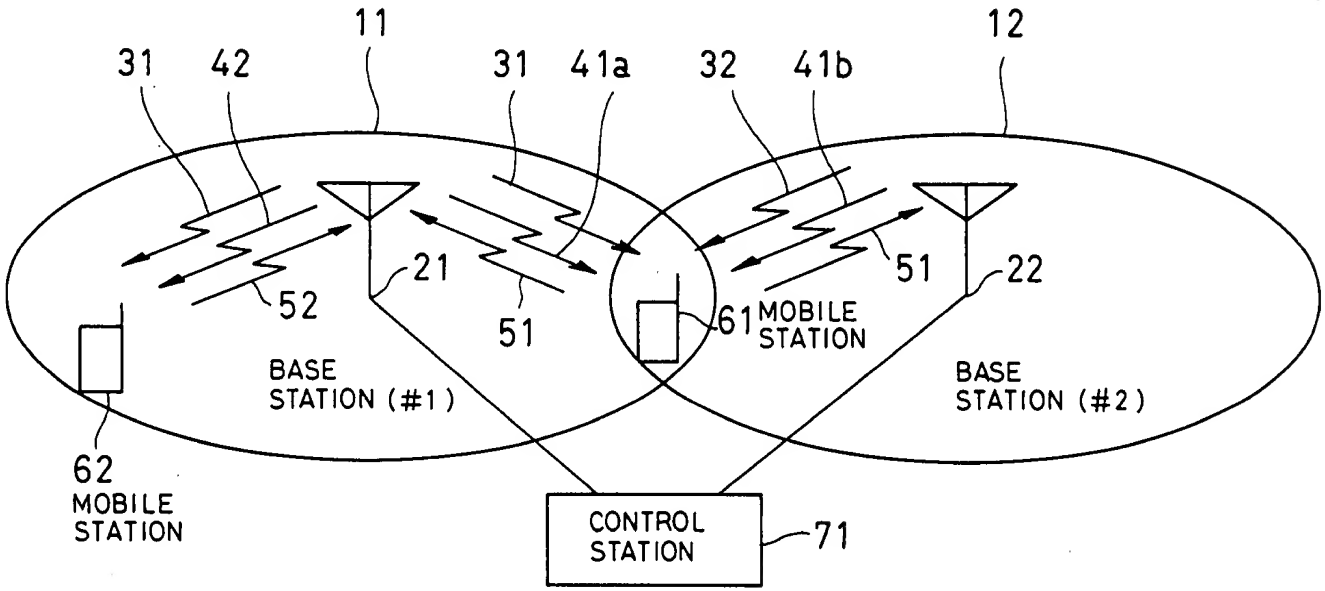


FIG.7

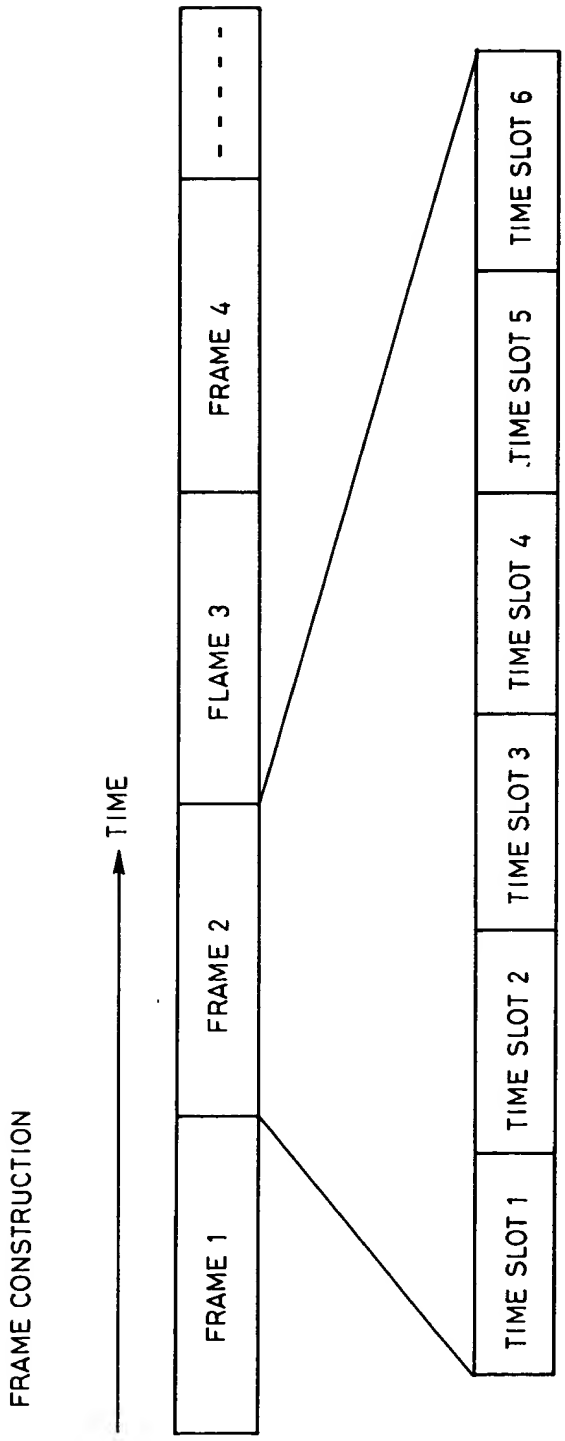

FRAME CONSTRUCTION
TIME
FRAME 1
FRAME 2
FLAME 3
FRAME 4
- - - - -
TIME SLOT 1
TIME SLOT 2
TIME SLOT 3
TIME SLOT 4
TIME SLOT 5
TIME SLOT 6

FIG. 8

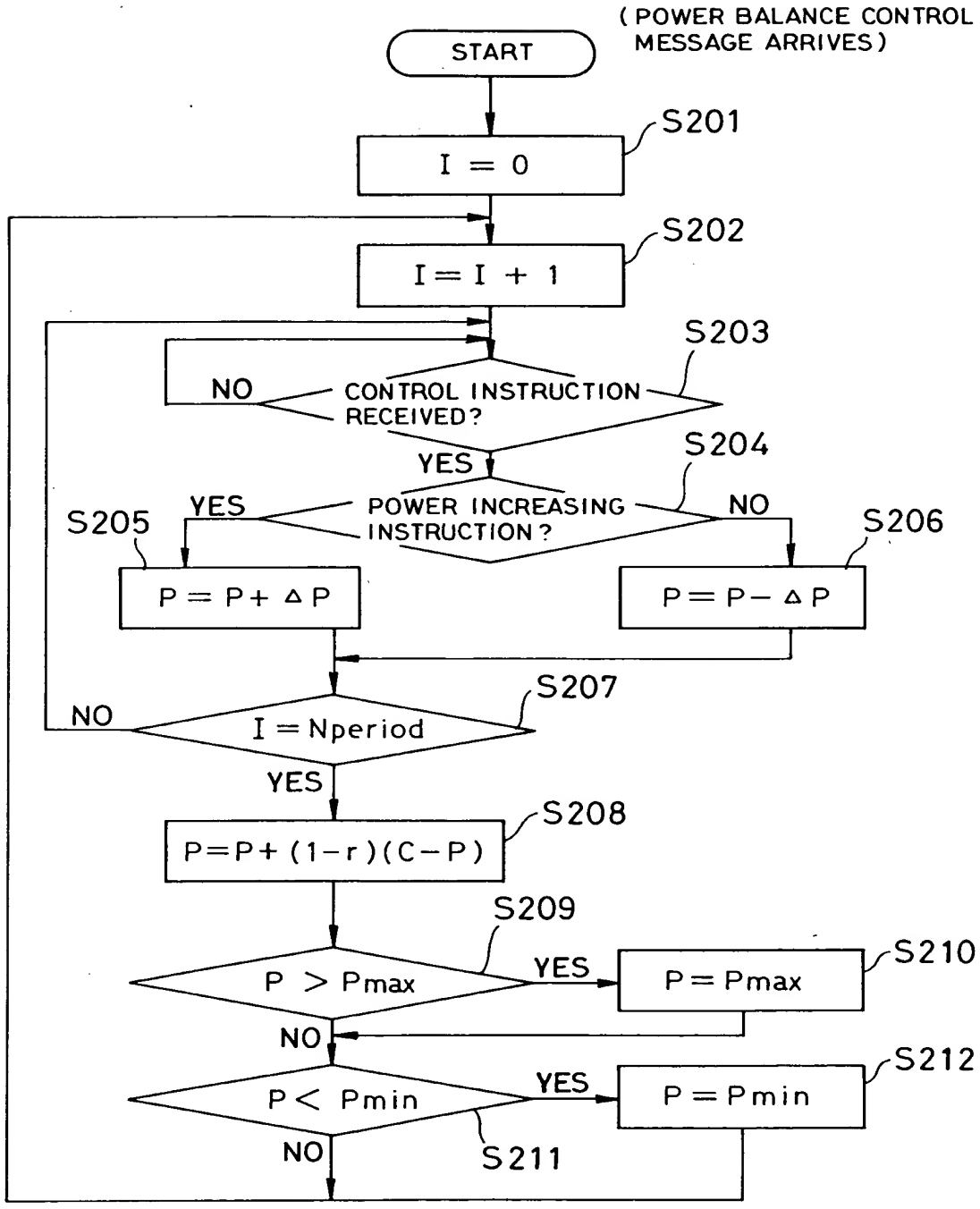

(POWER BALANCE CONTROL MESSAGE ARRIVES)
START
S201
I = 0
S202
I = I + 1
S203
NO
CONTROL INSTRUCTION RECEIVED?
YES
S204
YES
POWER INCREASING INSTRUCTION?
NO
S205
P = P + ΔP
S206
P = P − ΔP
S207
NO
I = Nperiod
YES
S208
P = P + (1−r)(C−P)
S209
P > Pmax
YES
S210
P = Pmax
NO
P < Pmin
YES
S212
P = Pmin
NO
S211

FIG. 9A

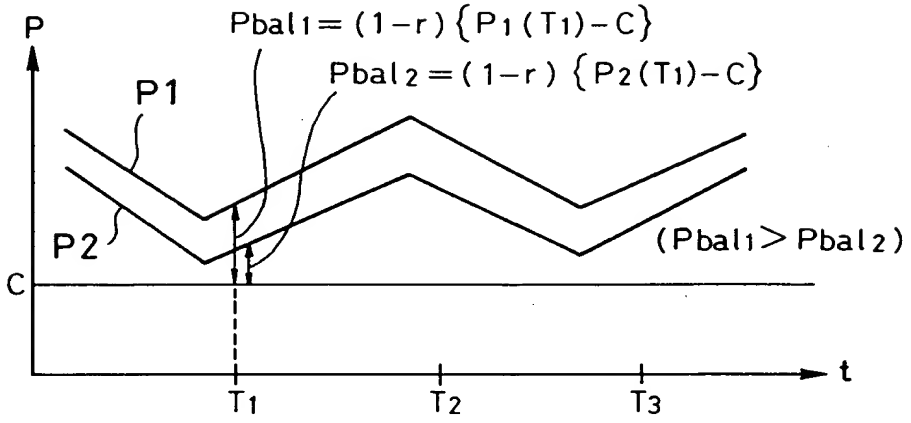
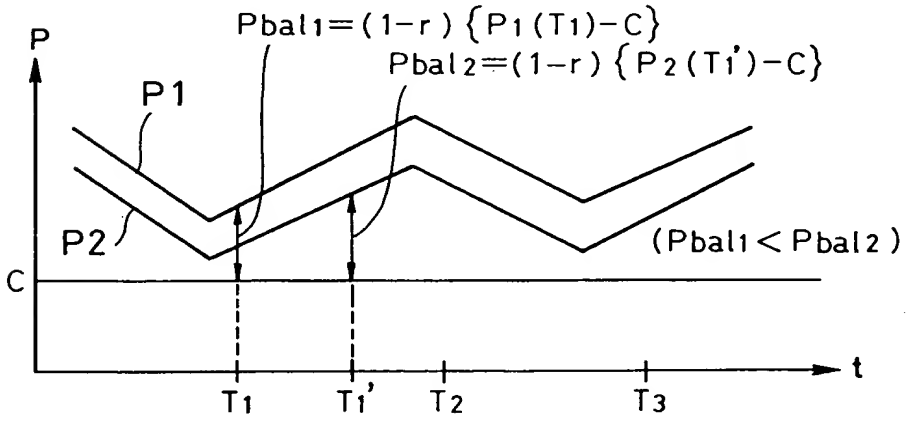

P
Pbal1=(1−r){P1(T1)−C}
Pbal2=(1−r){P2(T1)−C}
P1
P2
C
(Pbal1>Pbal2)
t
T1
T2
T3

FIG. 9B


P
Pbal1=(1−r){P1(T1)−C}
Pbal2=(1−r){P2(T1')−C}
P1
P2
C
(Pbal1<Pbal2)
t
T1
T1'
T2
T3